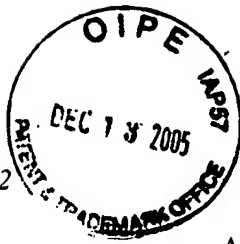


Application No. 10/500,182



Attachment A

REPLACEMENT ABSTRACT

~~To provide a speaker for reproducing ultrahigh frequencies which~~ A speaker is provided
that is operable to reproduce ultrahigh frequencies. Specifically, the speaker outputs ultrahigh
frequencies up to 100 kHz with stable sound pressure. ~~[[A]] The speaker for reproducing~~
~~ultrahigh frequencies of the present invention comprises~~ may include a schematically disk-shaped
piezoelectric ceramic vibrator wherein a piezoelectric ceramic and a metal substrate are bonded;
a dome-shaped diaphragm attached to ~~[[said]]~~ the piezoelectric ceramic vibrator; and a panel
which that fixes an outer peripheral part of ~~[[said]]~~ the piezoelectric ceramic vibrator ~~and has an~~
~~opening part in a front face of said dome-shaped diaphragm, wherein the diameter of the dome~~
~~part of said dome-shaped diaphragm is made to be 0.5 to 0.8 times the effective movable~~
~~diameter of said piezoelectric ceramic vibrator.~~